

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL051322\
 Data File : VL039058.D
 Acq On : 14 May 2022 5:15
 Operator : SY/AP
 Sample : N2828-04DL 10X
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA L
 ClientSampleId :
 SV2DL

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 05/16/2022
 Supervised By :Mahesh Dadoda 05/17/2022

Quant Time: May 14 07:32:22 2022
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL050522A
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument:
 QLast Update : Thu May 05 10:12:15 2022
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	926513	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.16	114	2670895	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.07	117	2257355	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.39	95	1701511	9.52	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	95.20%

Target Compounds

	R.T.	QIon	Response	Conc	Units	Ovalue
3) Chlorodifluoromethane	2.98	51	23908	0.208	ppbv #	81
7) Chloroethane	3.56	64	1881m	0.107	ppbv	
9) Propene	3.02	41	63681	1.268	ppbv	92
10) Heptane	8.11	43	28917m	0.235	ppbv	
13) Ethanol	3.60	45	89252	25.120	ppbv	95
15) Acetone	3.84	43	685088	7.839	ppbv #	85
17) tert-Butyl alcohol	4.29	59	14290m	0.213	ppbv	
19) Isopropyl Alcohol	3.97	45	31085	0.748	ppbv #	19
20) Methylene Chloride	4.34	84	13033m	0.396	ppbv	
23) Vinyl Acetate	5.07	43	52691	0.762	ppbv #	94
26) Hexane	5.67	57	139580	1.502	ppbv #	21
27) Carbon Disulfide	4.55	76	20301	0.230	ppbv #	95
29) Chloroform	5.74	83	11035672	73.388	ppbv	90
34) 2-Butanone	5.24	43	305190	2.240	ppbv	91
35) Carbon Tetrachloride	7.01	117	18595	0.106	ppbv #	93
42) Bromodichloromethane	7.77	83	18021m	0.093	ppbv	
51) 2-Hexanone	10.12	43	130702	0.749	ppbv #	99
52) Tetrachloroethene	11.20	164	182764	2.238	ppbv	96
53) Toluene	9.78	91	32227m	0.126	ppbv	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL051322\
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Operator : SY/AP
Sample : N2828-04DL 10X
Misc : 400mL/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
SV2DL

Manual Integrations
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Quant Time: May 14 07:32:22 2022

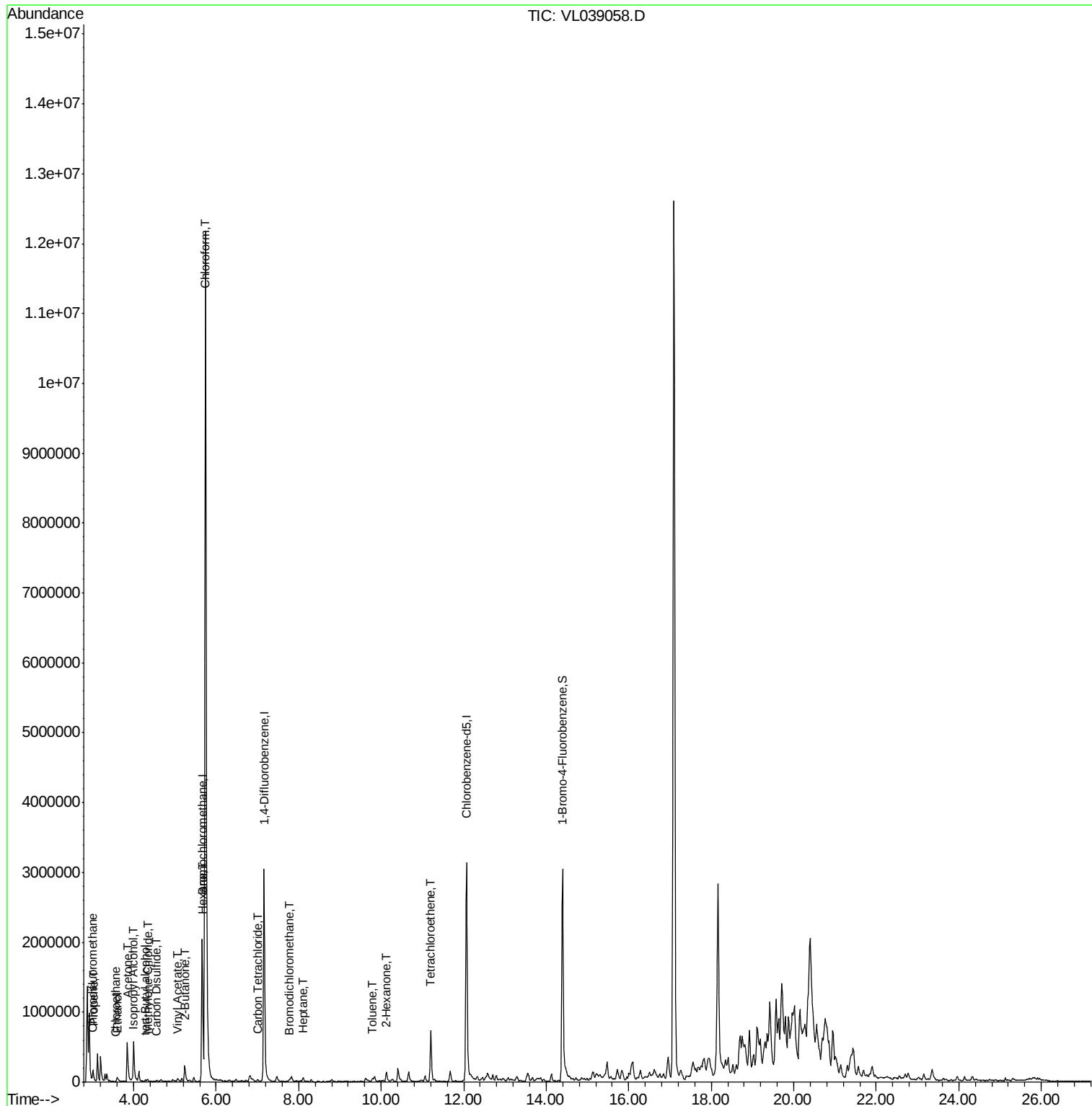
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL050522

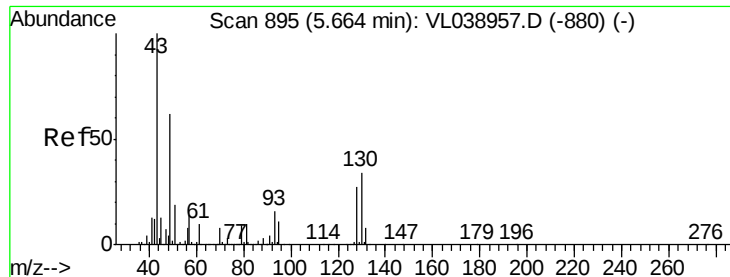
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument:

QLast Update : Thu May 05 10:12:15 2022

Response via : Initial Calibration

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Supervised By :Mahesh Dadoda 05/17/2022





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.65 Instrument: MSVOA_1

Delta R.T. ClientSampleId:

Lab File: SV2DL

Acq: 14 May 2022 5:15

Tot Ion:

Ion Ratio

49 100

128 51.

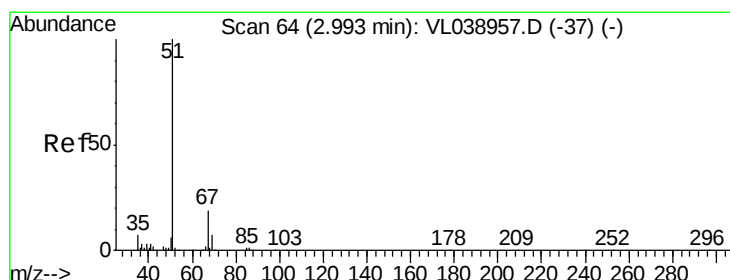
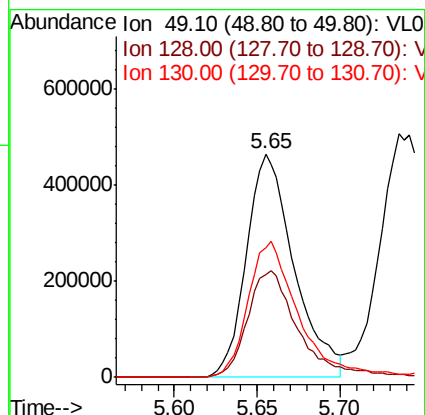
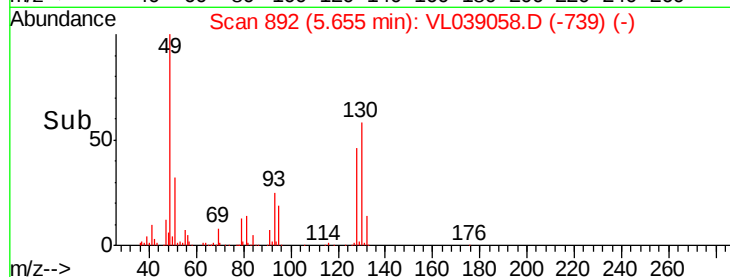
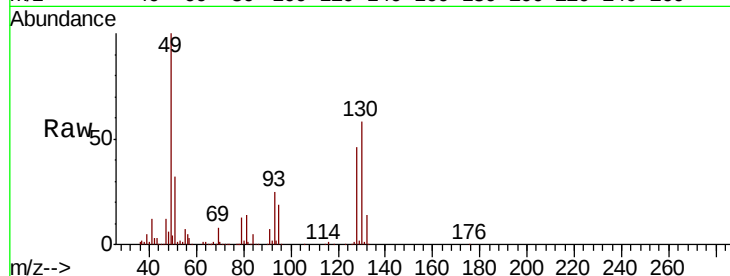
130 66.

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 05/16/2022

Supervised By :Mahesh Dadoda 05/17/2022



#3

Chlorodifluoromethane

Concen: 0.208 ppbv

RT: 2.98 min Scan# 61

Delta R.T. -0.01 min

Lab File: VL039058.D

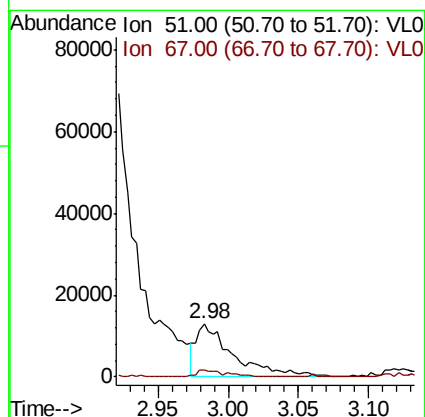
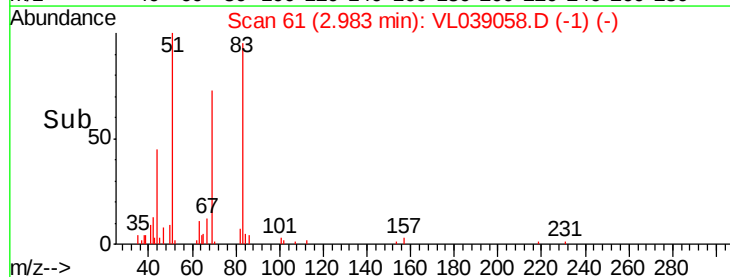
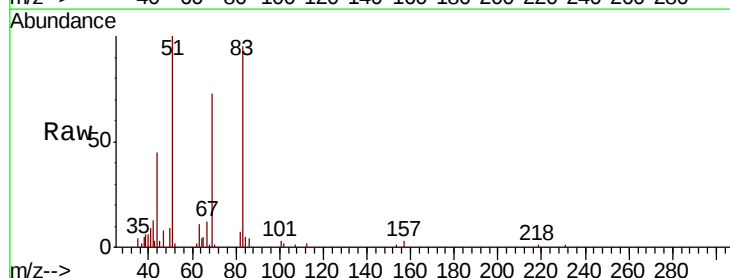
Acq: 14 May 2022 5:15

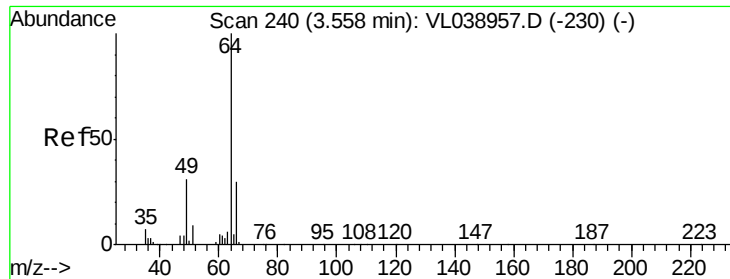
Tgt Ion: 51 Resp: 23908

Ion Ratio Lower Upper

51 100

67 10.9 15.8 23.8#





#7

Chloroethane

Concen: 0.107 ppbv m

RT: 3.56 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 14 May 2022 5:15 SV2DL

Tot Ion:

Ion Ratio

64 100

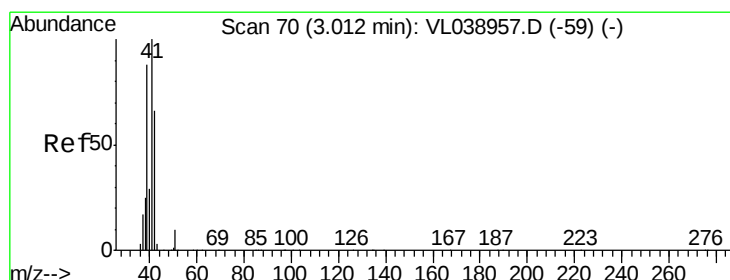
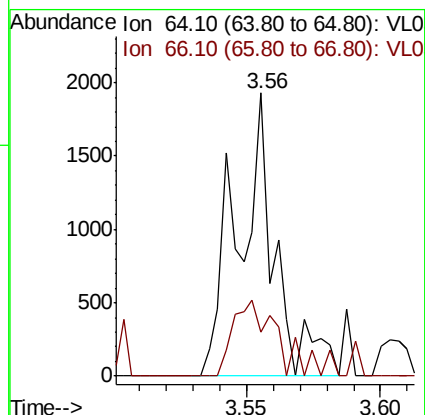
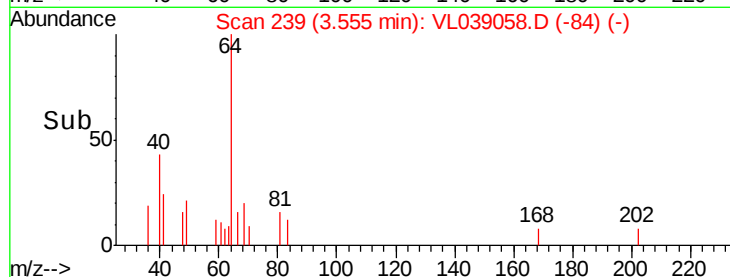
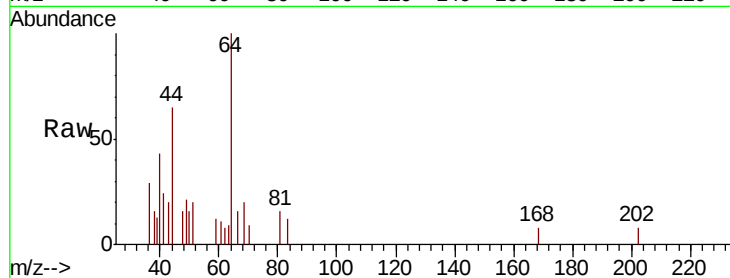
66 15.

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 05/16/2022

Supervised By :Mahesh Dadoda 05/17/2022



#9

Propene

Concen: 1.268 ppbv

RT: 3.02 min Scan# 72

Delta R.T. 0.01 min

Lab File: VL039058.D

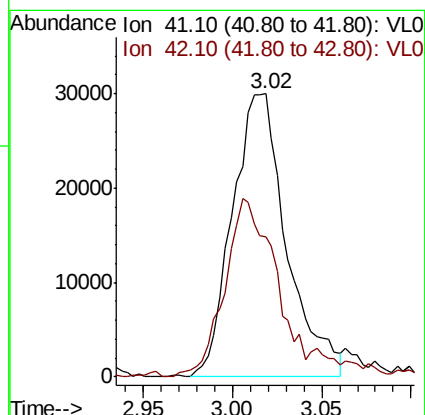
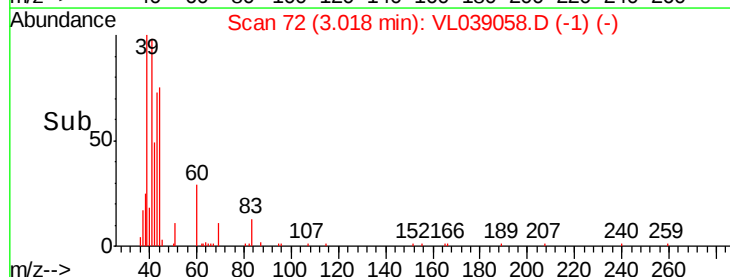
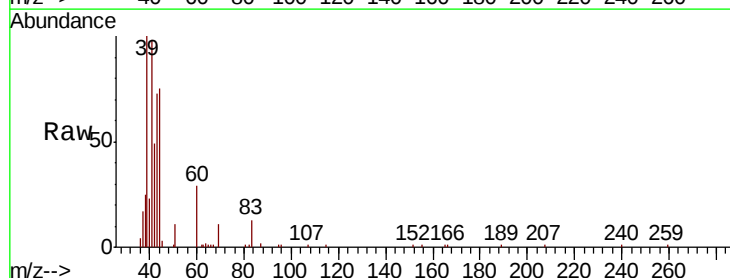
Acq: 14 May 2022 5:15

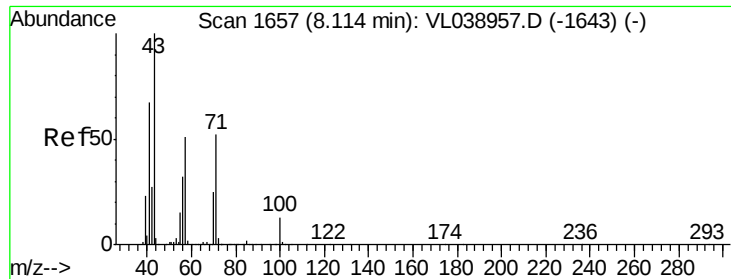
Tgt Ion: 41 Resp: 63681

Ion Ratio Lower Upper

41 100

42 66.2 58.3 87.5





#10

Heptane

Concen: 0.235 ppbv m

RT: 8.11 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 14 May 2022 5:15 SV2DL

Tot Ion:

Ion Ratio

43 100

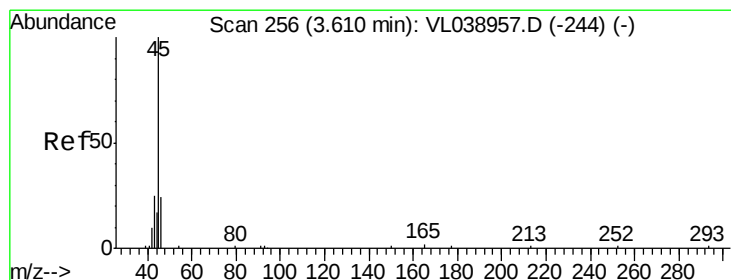
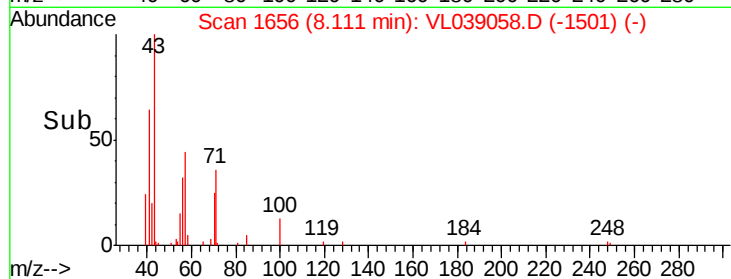
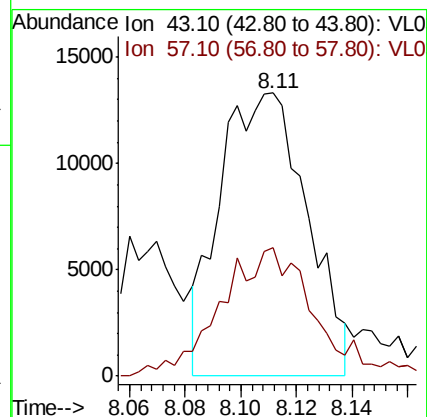
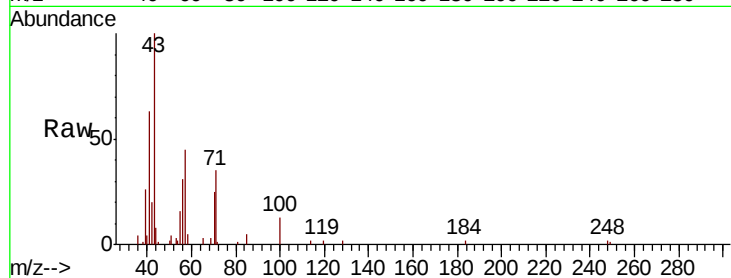
57 0.

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 05/16/2022

Supervised By :Mahesh Dadoda 05/17/2022



#13

Ethanol

Concen: 25.120 ppbv

RT: 3.60 min Scan# 254

Delta R.T. -0.01 min

Lab File: VL039058.D

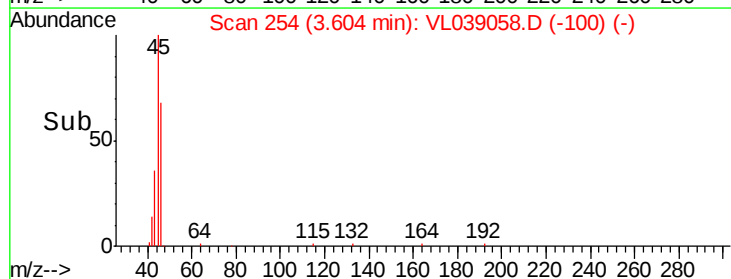
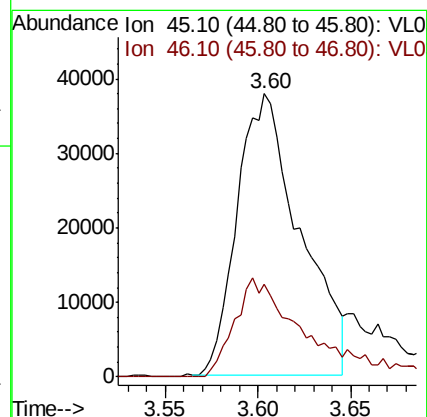
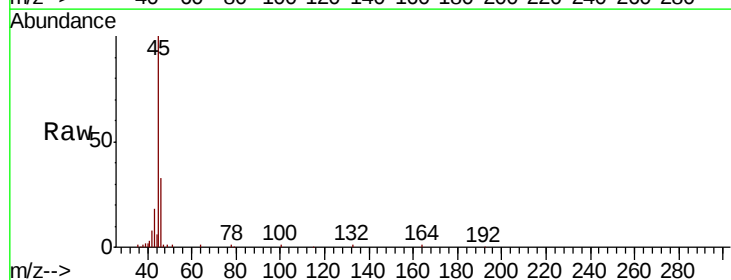
Acq: 14 May 2022 5:15

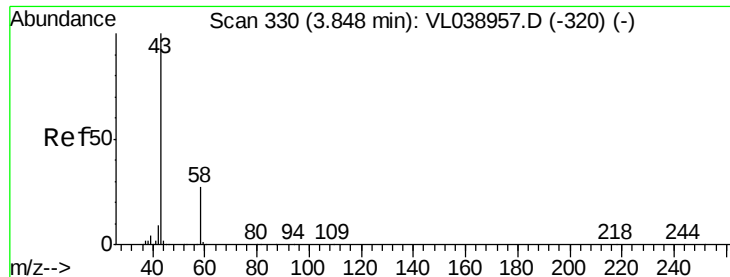
Tgt Ion: 45 Resp: 89252

Ion Ratio Lower Upper

45 100

46 41.7 18.0 72.2





#15

Acetone

Concen: 7.839 ppbv

RT: 3.84

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

SV2DL

Acq: 14 May 2022 5:15

Tot Ion:

Ion Ratio

43 100

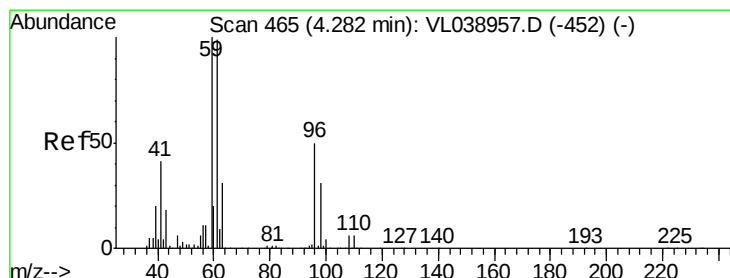
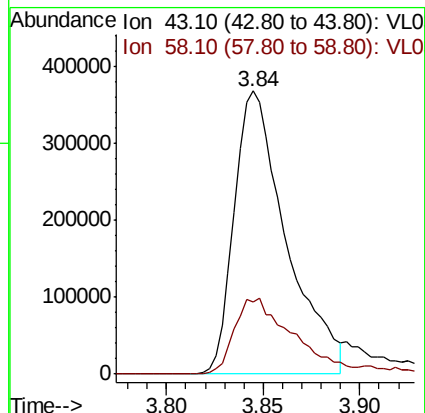
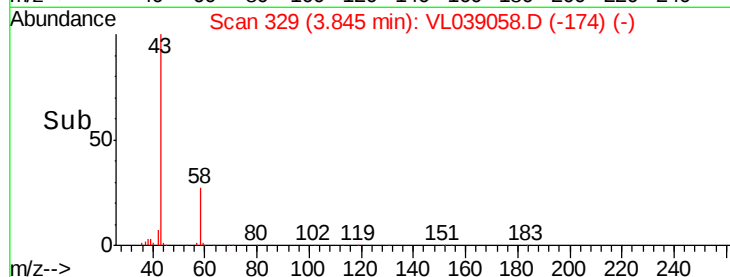
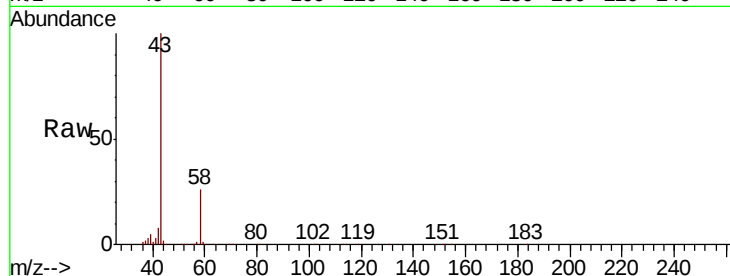
58 34.

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 05/16/2022

Supervised By :Mahesh Dadoda 05/17/2022



#17

tert-Butyl alcohol

Concen: 0.213 ppbv m

RT: 4.29 min Scan# 468

Delta R.T. 0.01 min

Lab File: VL039058.D

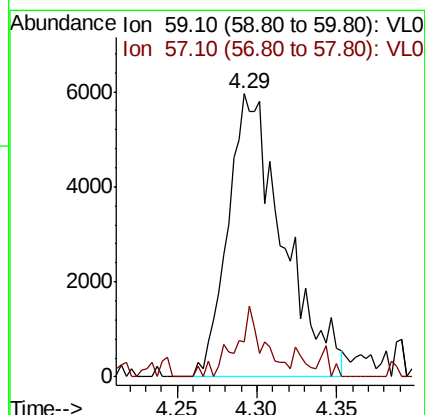
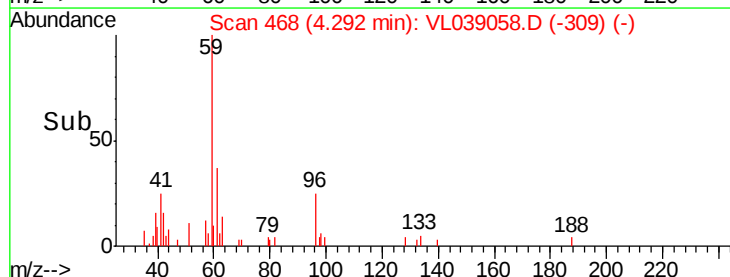
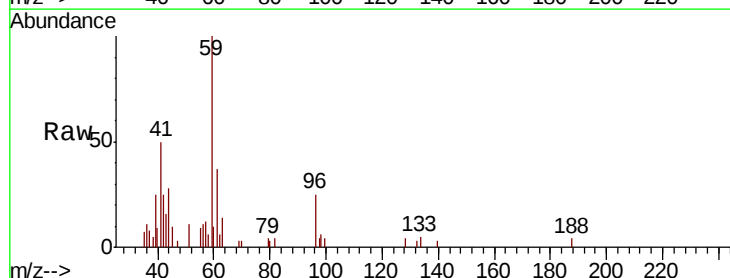
Acq: 14 May 2022 5:15

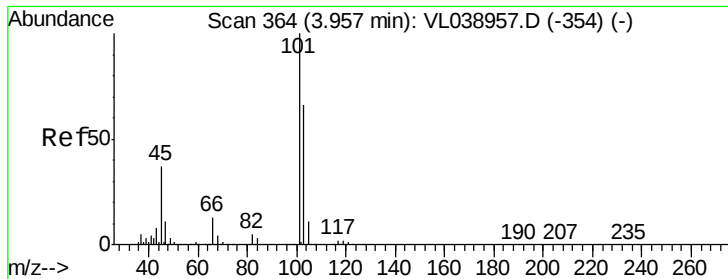
Tgt Ion: 59 Resp: 14290

Ion Ratio Lower Upper

59 100

57 16.9 9.2 13.8#





#19

Isopropyl Alcohol

Concen: 0.748 ppbv

RT: 3.97

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 14 May 2022 5:15

Tot Ion:

Ion Ratio

45 100

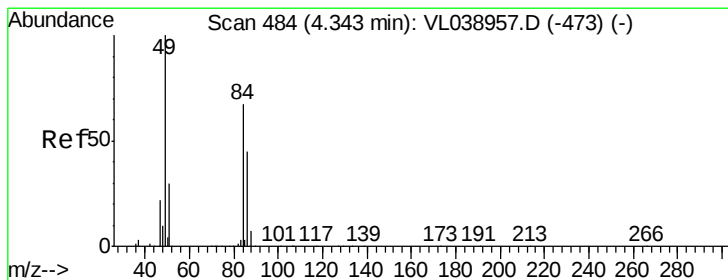
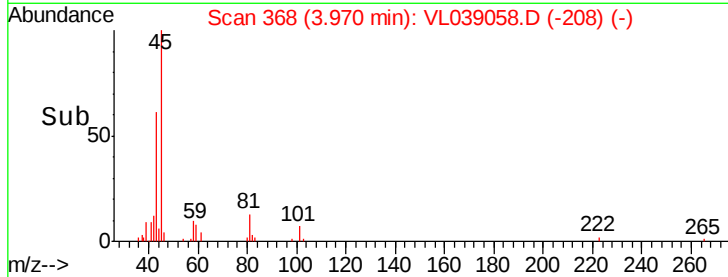
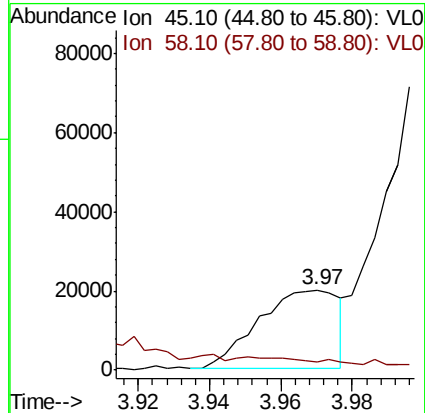
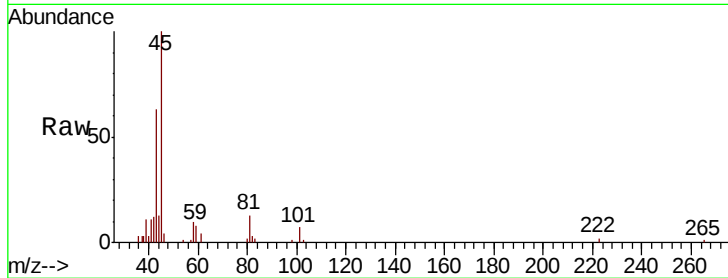
58 31.

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 05/16/2022

Supervised By :Mahesh Dadoda 05/17/2022



#20

Methylene Chloride

Concen: 0.396 ppbv m

RT: 4.34 min Scan# 482

Delta R.T. -0.01 min

Lab File: VL039058.D

Acq: 14 May 2022 5:15

Tgt Ion: 84 Resp: 13033

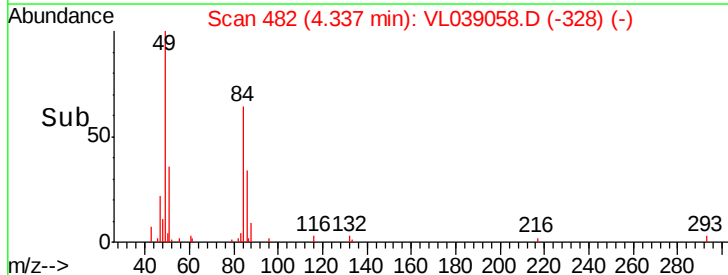
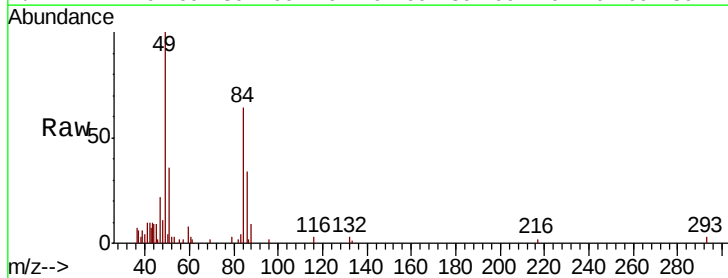
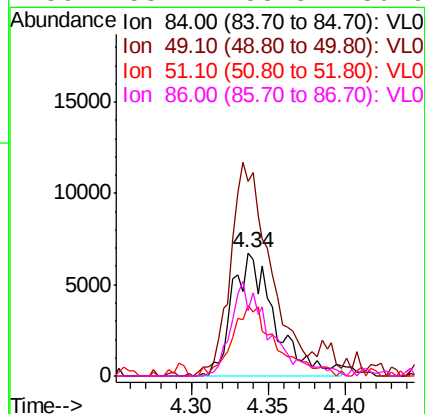
Ion Ratio Lower Upper

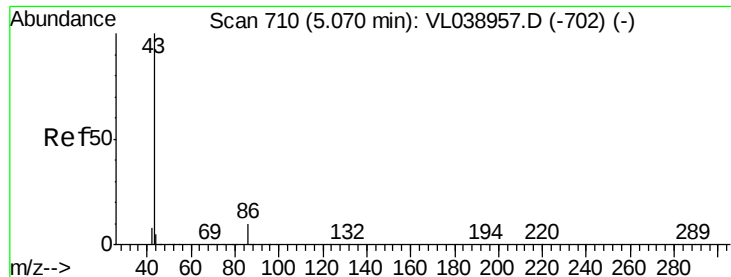
84 100

49 157.4 119.9 179.9

51 56.6 35.7 53.5#

86 53.1 53.8 80.6#



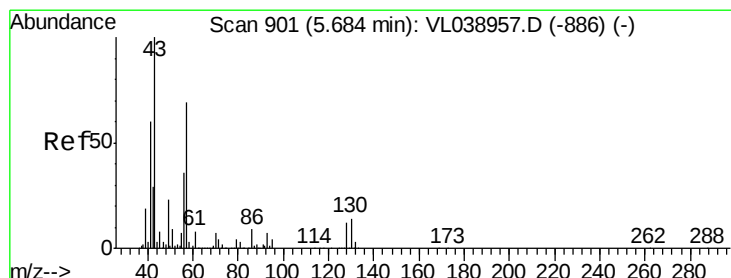
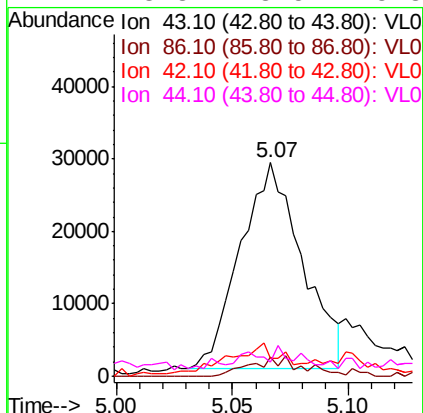
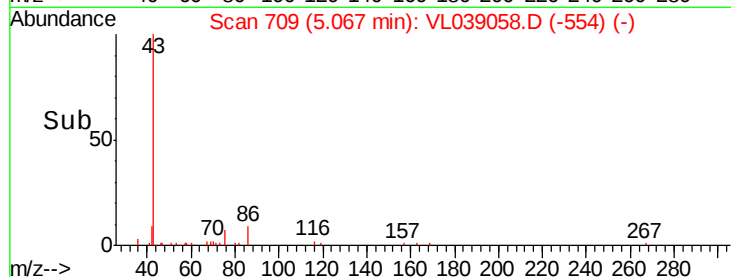
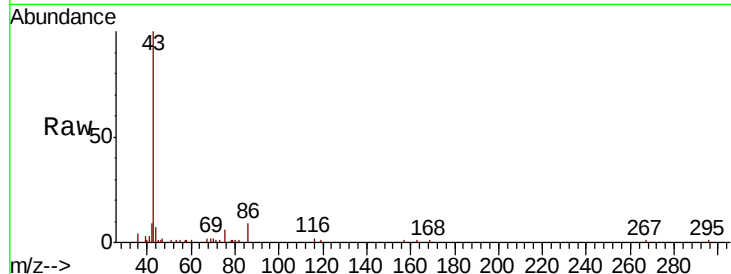


#23
 Vinyl Acetate
 Concen: 0.762 ppbv
 RT: 5.07
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 SV2DL
 Acq: 14 May 2022 5:15

Tot Ion:
 Ion Ratio
 43 100
 86 9.
 42 6.
 44 3.3 3.5 5.3#

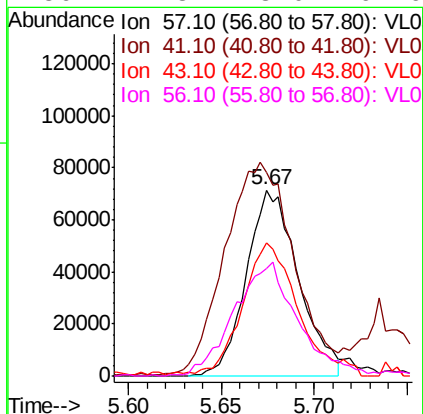
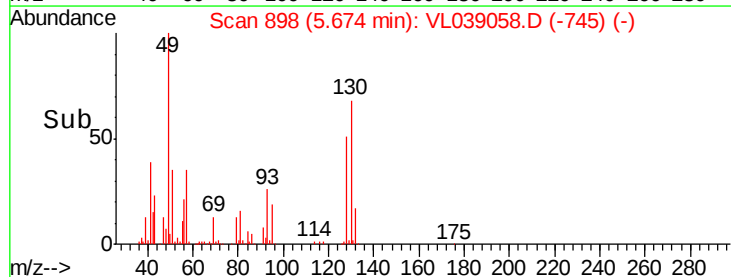
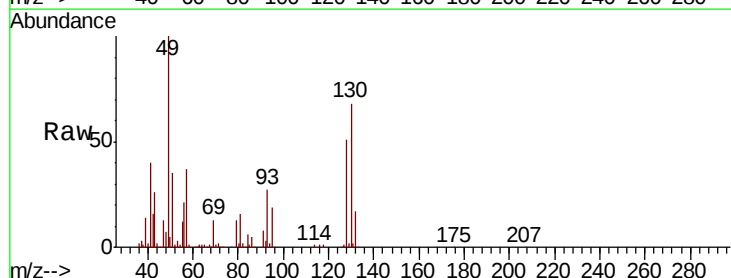
Manual Integrations
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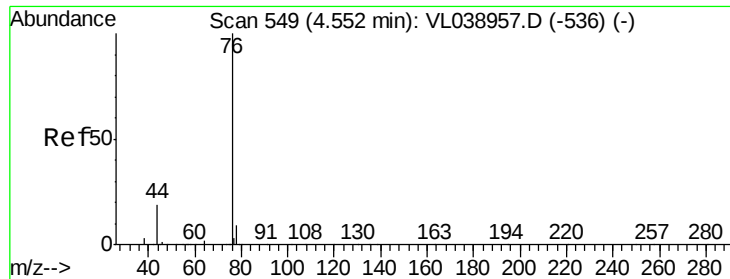
Reviewed By :Semsettin Yesilyurt 05/16/2022
 Supervised By :Mahesh Dadoda 05/17/2022



#26
 Hexane
 Concen: 1.502 ppbv
 RT: 5.67 min Scan# 898
 Delta R.T. -0.01 min
 Lab File: VL039058.D
 Acq: 14 May 2022 5:15

Tgt Ion: 57 Resp: 139580
 Ion Ratio Lower Upper
 57 100
 41 154.6 75.2 112.8#
 43 77.3 190.8 286.2#
 56 77.8 43.0 64.6#





#27

Carbon Disulfide

Concen: 0.230 ppbv

RT: 4.55 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

SV2DL Acq: 14 May 2022 5:15

Tot Ion:

Ion Ratio

76 100

44 19.

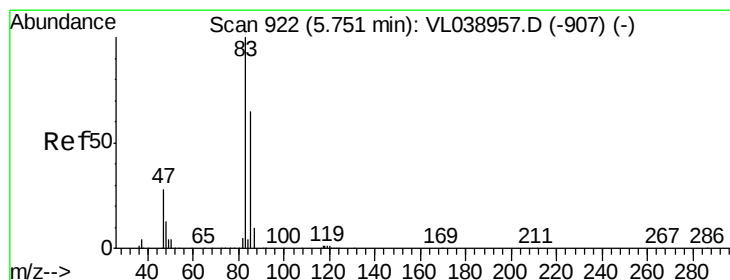
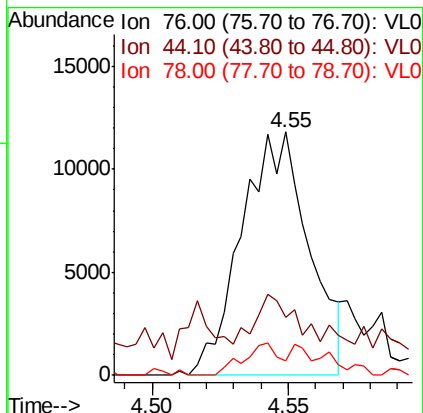
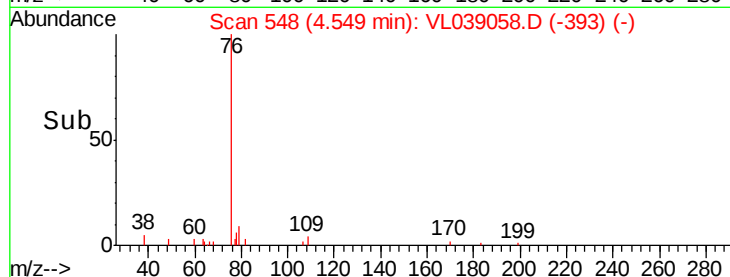
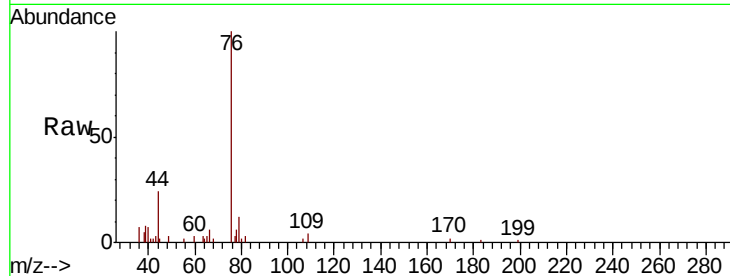
78 14.

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 05/16/2022

Supervised By :Mahesh Dadoda 05/17/2022



#29

Chloroform

Concen: 73.388 ppbv

RT: 5.74 min Scan# 918

Delta R.T. -0.01 min

Lab File: VL039058.D

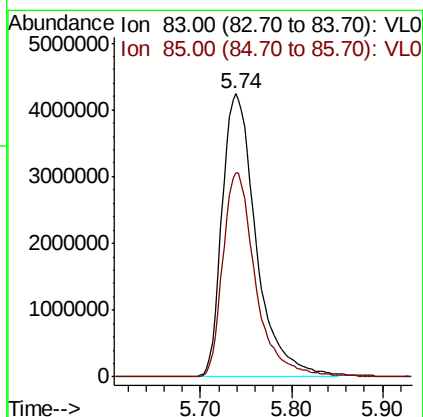
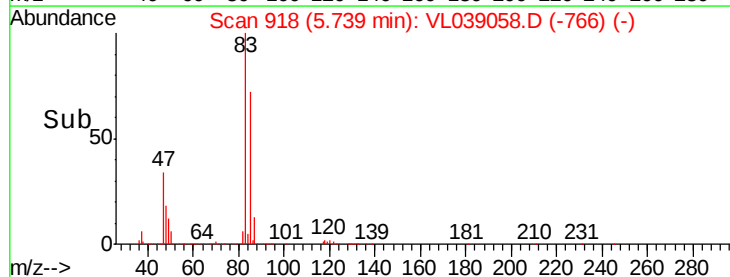
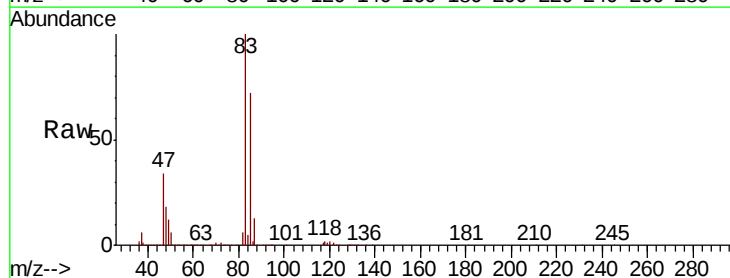
Acq: 14 May 2022 5:15

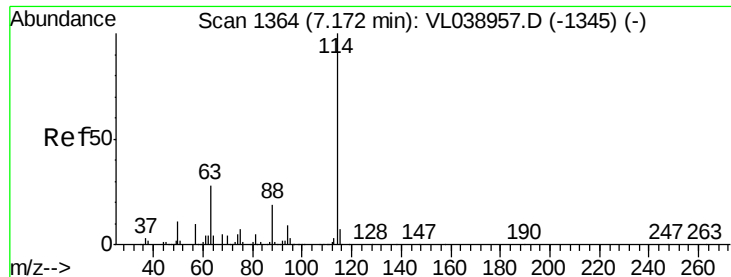
Tgt Ion: 83 Resp:11035672

Ion Ratio Lower Upper

83 100

85 72.2 51.8 77.6



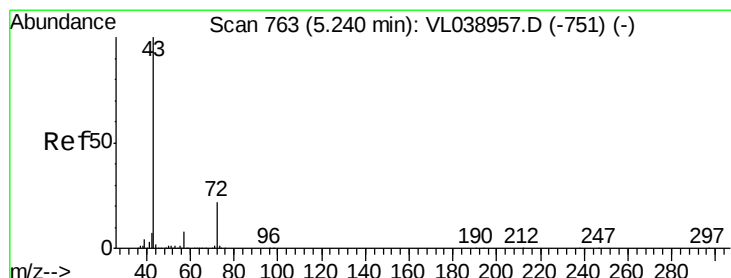
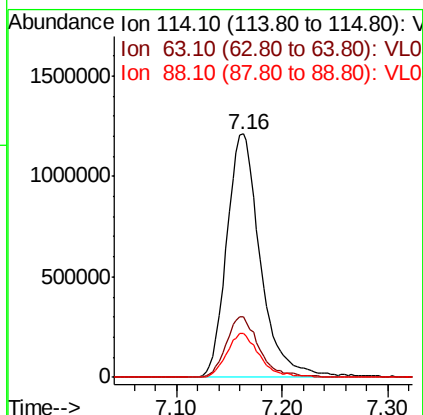
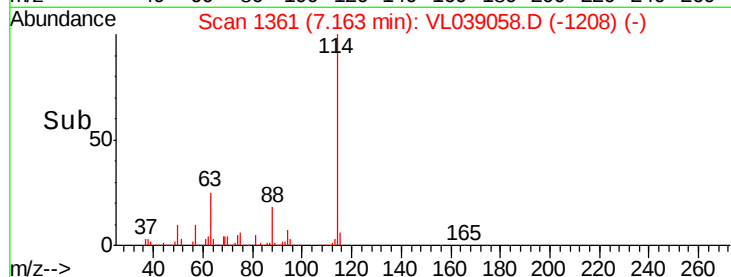
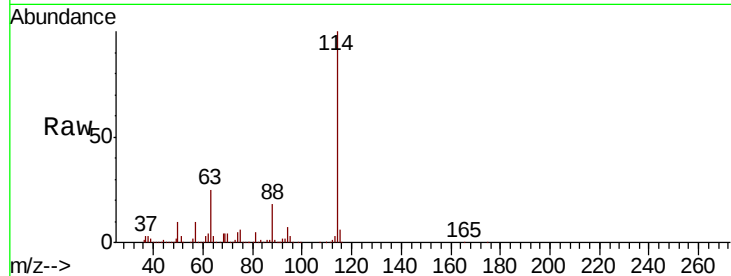


#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.16
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 SV2DL
 Acq: 14 May 2022 5:15

Tot Ion:1
 Ion Rati
 114 100
 63 24.
 88 17.

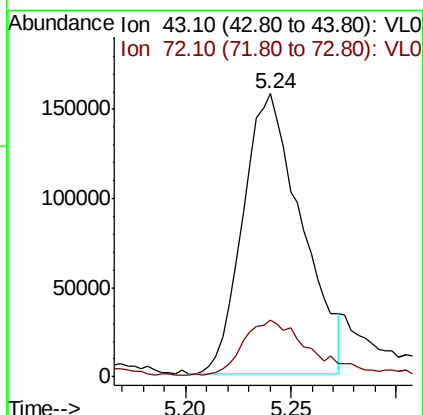
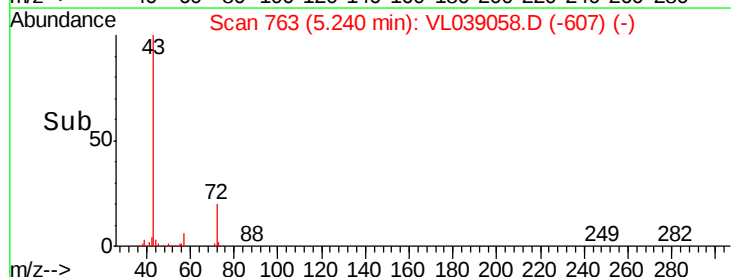
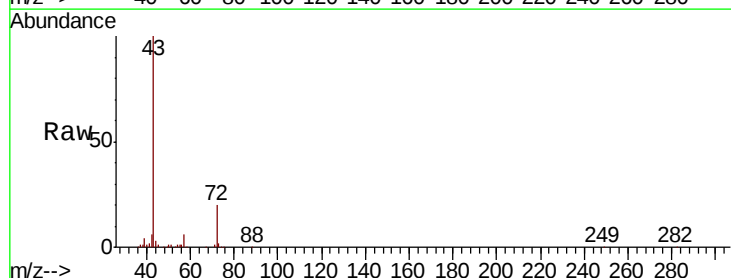
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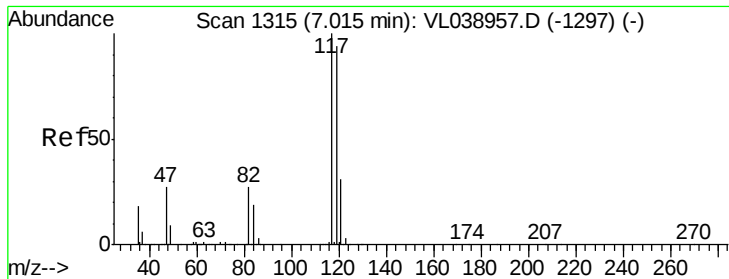
Reviewed By :Semsettin Yesilyurt 05/16/2022
 Supervised By :Mahesh Dadoda 05/17/2022



#34
 2-Butanone
 Concen: 2.240 ppbv
 RT: 5.24 min Scan# 763
 Delta R.T. 0.00 min
 Lab File: VL039058.D
 Acq: 14 May 2022 5:15

Tgt Ion: 43 Resp: 305190
 Ion Ratio Lower Upper
 43 100
 72 26.3 17.8 26.6



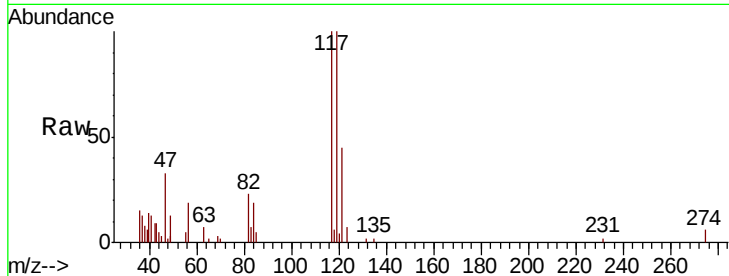


#35
 Carbon Tetrachloride
 Concen: 0.106 ppbv
 RT: 7.01 min
 Instrument: MSVOA_L
 Delta R.T.:
 Lab File: ClientSampleId :
 SV2DL
 Acq: 14 May 2022 5:15

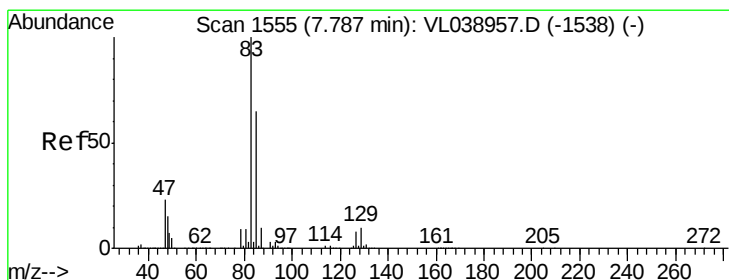
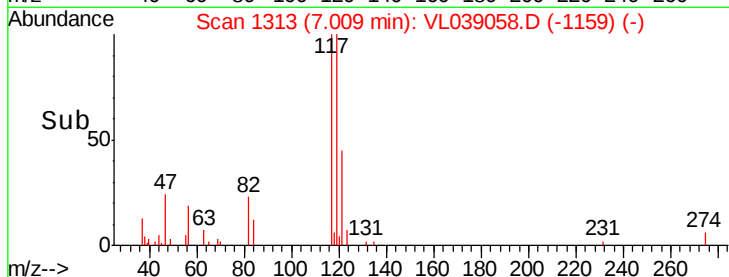
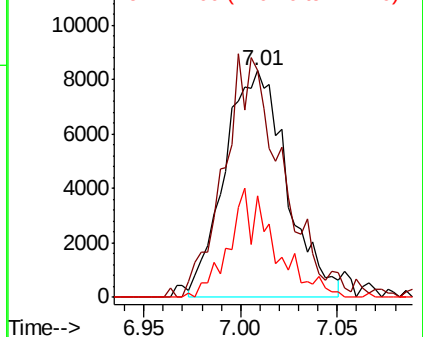
Tot Ion:1
 Ion Rati
 117 100
 119 90.
 121 41.

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 Supervised By :Mahesh Dadoda 05/17/2022

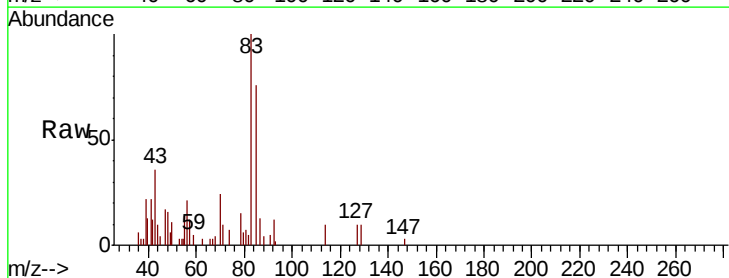


Abundance Ion 117.00 (116.70 to 117.70): V
 Ion 119.00 (118.70 to 119.70): V
 Ion 121.00 (120.70 to 121.70): V

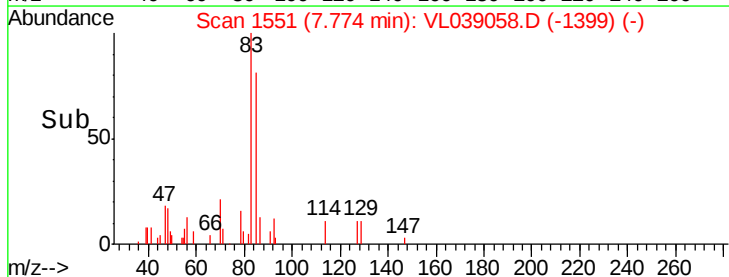
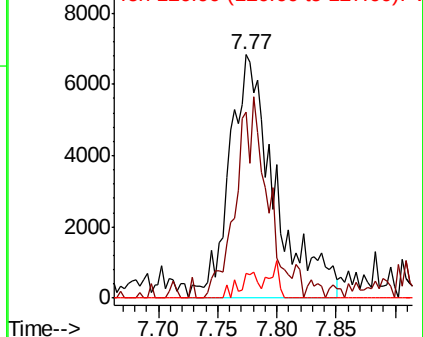


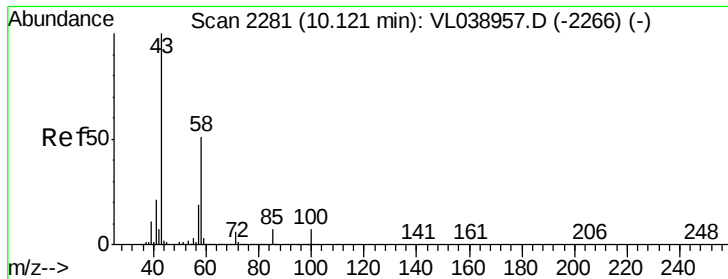
#42
 Bromodichloromethane
 Concen: 0.093 ppbv m
 RT: 7.77 min Scan# 1551
 Delta R.T. -0.01 min
 Lab File: VL039058.D
 Acq: 14 May 2022 5:15

Tgt Ion: 83 Resp: 18021
 Ion Ratio Lower Upper
 83 100
 85 76.3 52.0 78.0
 127 10.0 6.0 9.0#



Abundance Ion 83.00 (82.70 to 83.70): VL0
 Ion 85.00 (84.70 to 85.70): VL0
 Ion 126.90 (126.60 to 127.60): V



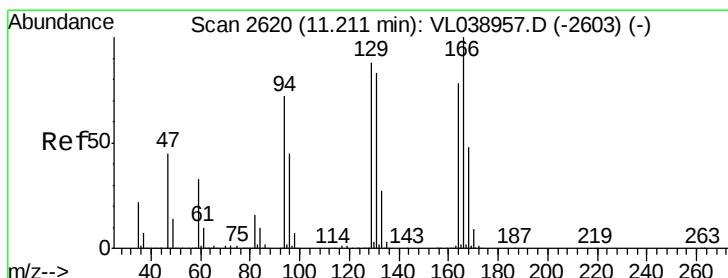
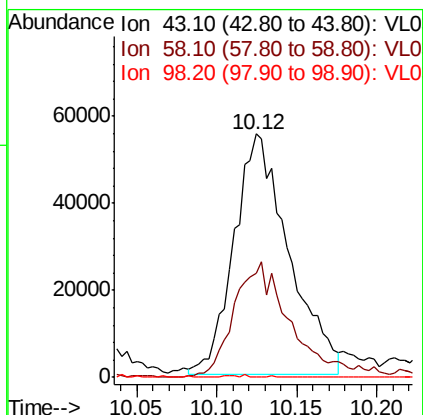
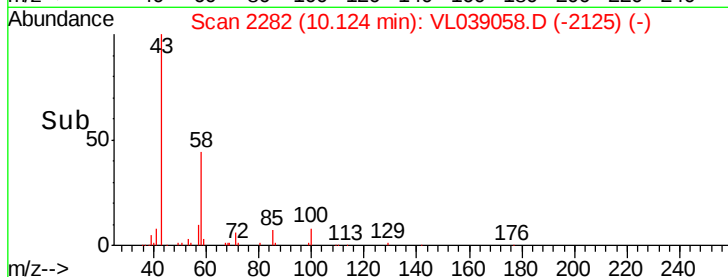
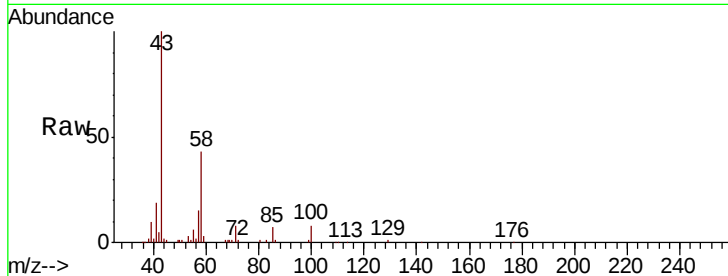


#51
2-Hexanone
Concen: 0.749 ppbv
RT: 10.12 min
Delta R.T.: MSVOA_L
Lab File: ClientSampleId :
SV2DL
Acq: 14 May 2022 5:15

Tot Ion:
Ion Ratio
43 100
58 49.1
98 0.1

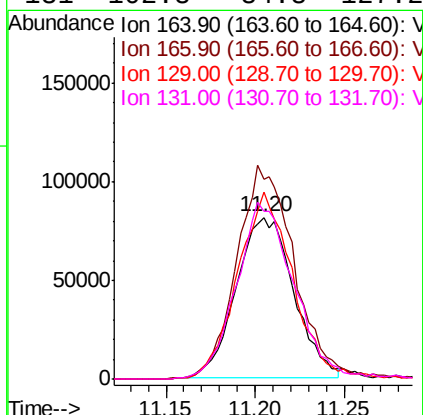
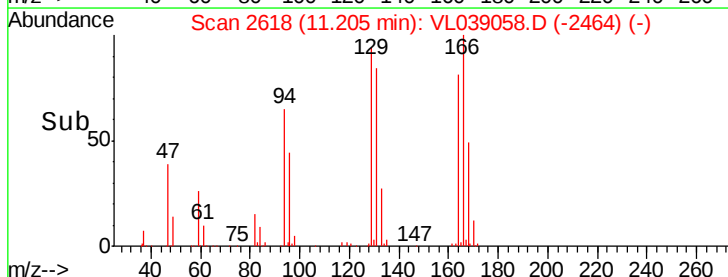
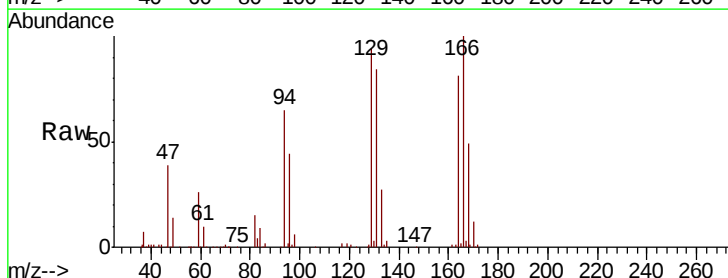
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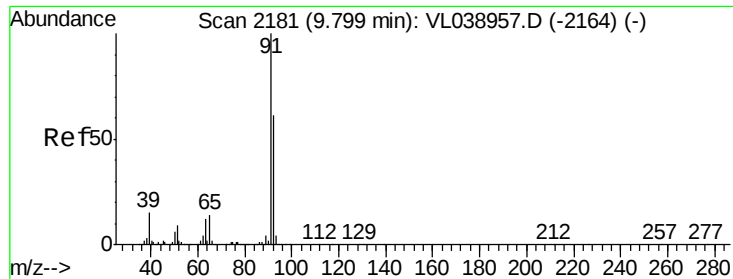
Reviewed By :Semsettin Yesilyurt 05/16/2022
Supervised By :Mahesh Dadoda 05/17/2022



#52
Tetrachloroethene
Concen: 2.238 ppbv
RT: 11.20 min Scan# 2618
Delta R.T.: -0.01 min
Lab File: VL039058.D
Acq: 14 May 2022 5:15

Tgt Ion:164 Resp: 182764
Ion Ratio Lower Upper
164 100
166 122.5 102.5 153.7
129 115.6 90.1 135.1
131 102.8 84.8 127.2





#53

Toluene

Concen: 0.126 ppbv m

RT: 9.78 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 14 May 2022 5:15 SV2DL

Tot Ion:

Ion Ratio

91 100

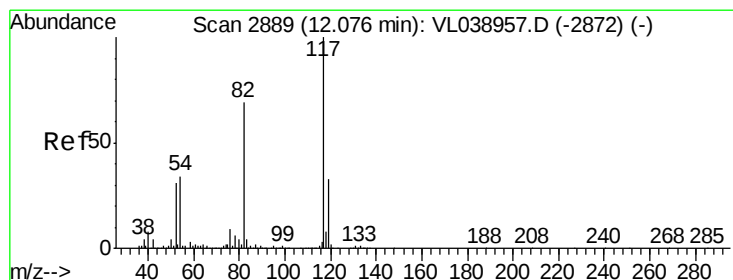
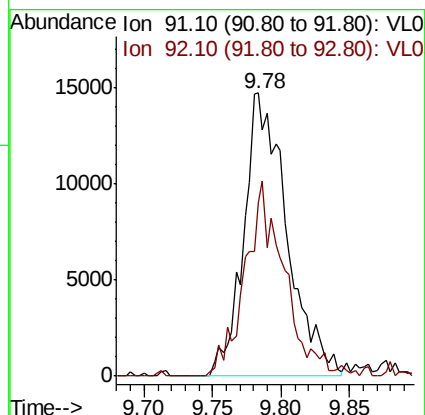
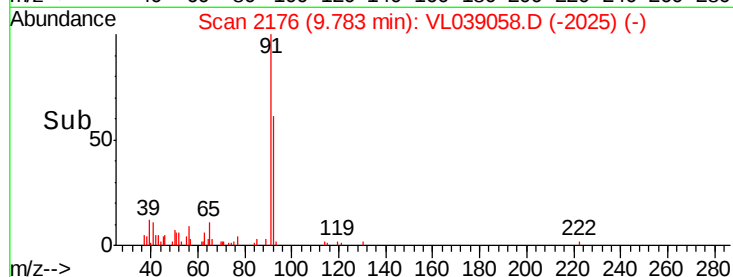
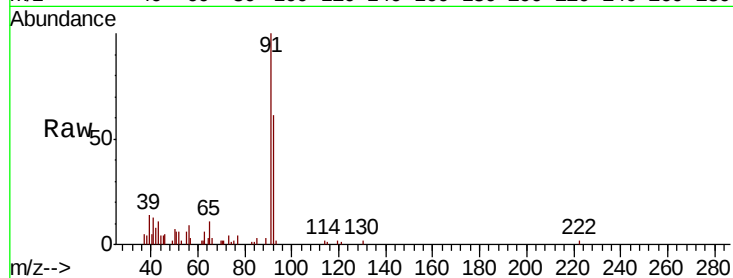
92 62.

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Reviewed By :Semsettin Yesilyurt 05/16/2022

Supervised By :Mahesh Dadoda 05/17/2022



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.07 min Scan# 2886

Delta R.T. -0.01 min

Lab File: VL039058.D

Acq: 14 May 2022 5:15

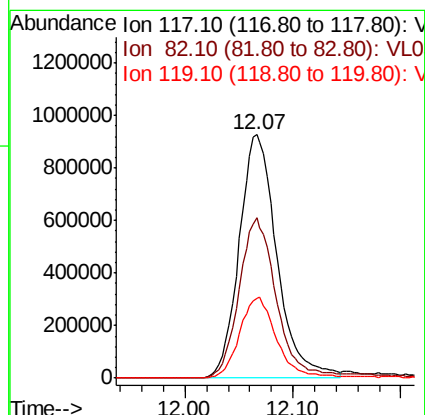
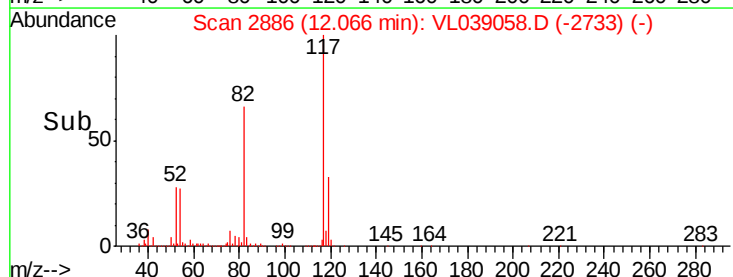
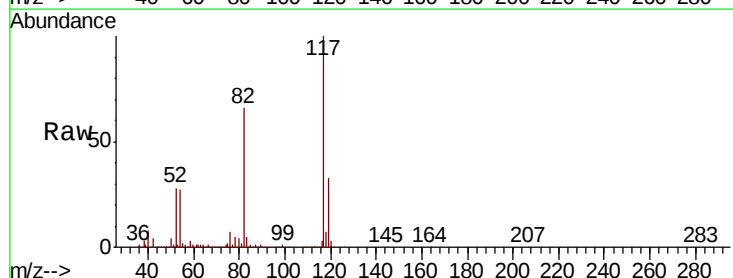
Tgt Ion:117 Resp: 2257355

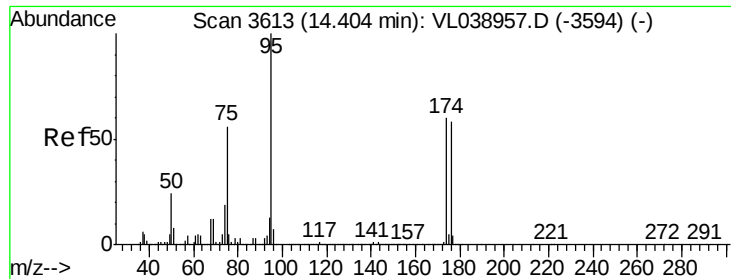
Ion Ratio Lower Upper

117 100

82 68.1 57.0 85.6

119 33.2 27.2 40.8





#68

1-Bromo-4-Fluorobenzene

Concen: 9.518 ppbv

RT: 14.39

Delta R.T: MSVOA_L

Lab File: ClientSampleId :

SV2DL

Acq: 14 May 2022 3:15

Tot Ion:

Ion Ratio

95 100

174 66.

175 4.

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 05/16/2022

Supervised By :Mahesh Dadoda 05/17/2022

